

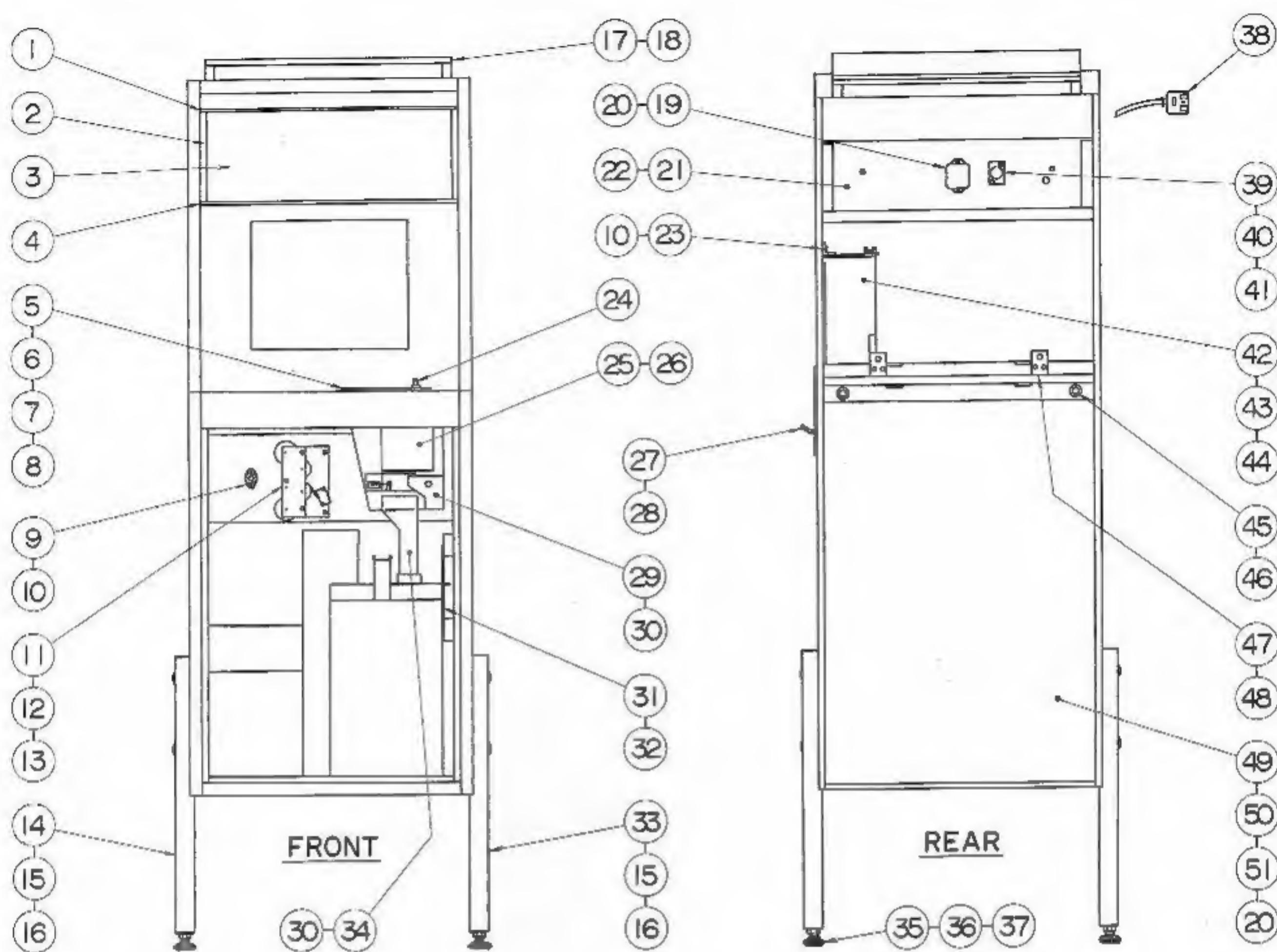
SEGA

# RIFLEMAN

## PARTS CATALOG

SEGA

OFFERS YOU THE UNBEATABLE COMBINATION OF QUALITY AND PLAY APPEAL IN AMUSEMENT GAMES



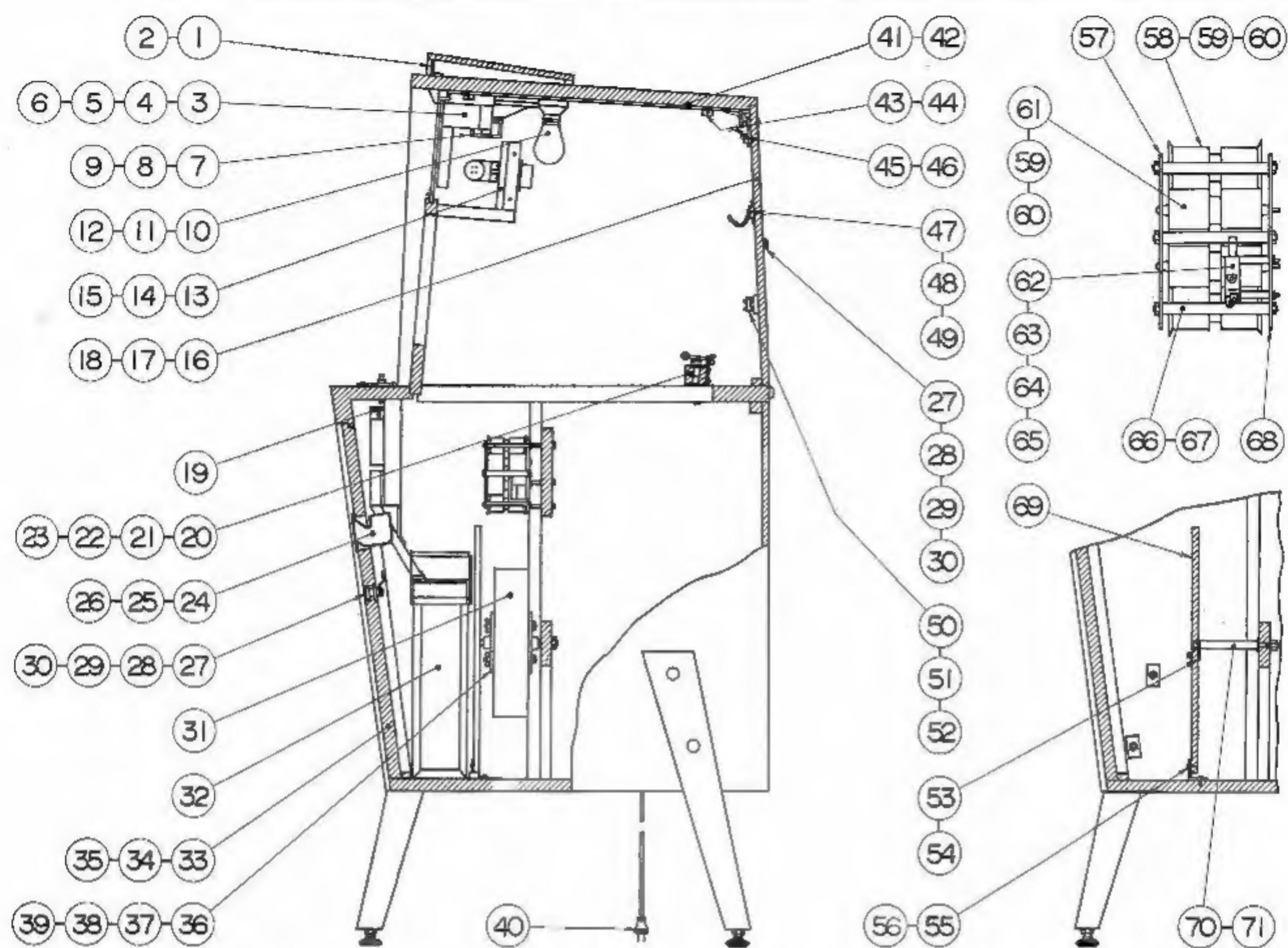
Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
1	RM-1038	Window Sash 459	19	91000	Ballast Coil, 100V 10W, 50%	36	M-163-4	Leg Adjuster
2	RM-1039	Window Sash 158	20	122-004	Wood Screw, R. H. Phill. 3.5×16	37	122-111	Wood Screw, F. H. Phill. 3.1×20
3	RM-1027	Window Glass	21	RM-1013	Fluorescent Light Plate	38	133-006	Hex. Nut 3/8-16
4	RM-1037	Window Sash	22	122-097	Wood Screw, R. H. Phill. 3.8×32	39	S-91015-2	Plug, 12P
5	RM-1003	Coin Chute Unit Bracket	23	144-078	Flat Washer M4	40	S-90244	Starter, Fluorescent Bayonet Type, FG-1P
6	RM-1004	Coin Entry Plate, Base	24	RM-1042	Door Assembly	41	122-086	Socket, Fluorescent, Starter Bayonet Type
7	RM-1005	Denomination Plate, ¥20	25	CC-2025	Reject Button Assembly	42	RM-1014	Wood Screw, R. H. Phill. 3.5×20
8	111-288	Carriage Bolt, Chromed M5×32	26	111-201	Coin Chute Bracket Assembly Two Coin Type	43	RM-1041	Score Paper Chute
9	133-033	Hex. Nut M5	27	144-078	M. Screw, C. H. M4×6	44	122-004	Score Paper Holder
10	144-105	Flat Washer M5	28	144-167	Flat Washer M4	45	133-017	Wood Screw, R. H. Phill. 3.5×16
11	144-149	Lock Washer, Ext. M5	29	144-167	Lock Washer, Ext. M4	46	144-078	Hex. Nut M4
12	S-91348	Switch, Push Button, Baby Type	30	RM-1040	Front Ornament Plate	47	144-167	Flat Washer M4
13	122-064	Wood Screw, R. H. Phill. 3.1×13	31	111-288	Carriage Bolt, Chromed M5×32	48	144-078	Lock Washer, Ext. M4
14	RM-1018	Paper Roller Assembly	32	133-033	Hex. Nut M5	49	S-80367	Rubber Foot 24×10
15	RM-1026	Spacer Tube	33	144-105	Flat Washer M5	50	122-004	Wood Screw, R. H. Phill. 3.5×16
16	111-499	M. Screw, C. H. M4×50	34	144-149	Lock Washer, Ext. M5	51	144-070	Flat Washer M3.5
17	133-017	Hex. Nut M4	35	RM-1008	Reject Chute	47	RM-1030	Mechanism Mounting Bracket
18	144-078	Flat Washer M4	36	111-467	M. Screw, C. H. M4×5	48	122-024	Wood Screw, R. H. Phill. 3.8×16
19	RM-1001-G	Leg, Right	37	144-078	Flat Washer M4	49	RM-1001-A	Wooden Cabinet
20	RM-1001-Q	Washer Plate	38	144-167	Lock Washer, Ext. M4	50	S-90591	Clamp, Cord, Plastic, 5 m/m I.D.
21	133-027	Hex. Nut M10	39	RM-1006	Cash Box Lock Bracket	51	S-90181	Clamp, Cord, Plastic, 8 m/m I.D.
22	144-069	Spring Washer M10 (#2)	40	122-065	Wood Screw, F. H. Phill 3.5×16			
23	111-546	Carriage Bolt, Chromed M10×65	41	RM-1001-F	Leg, Left			
24	RM-1001-J	Speaker Cover Plate	42	RM-1007	Lower Coin Chute			
25	122-118	Wood Screw, O. H. Phill. 3.1×16	43	K-106-1	Leg Adjuster-Nut Plate			

M.....Machine R.....Round H.....Head  
 F.....Flat C.....Cheese O.....Oval  
 Hex.....Hexagon Ext.....External Phill. ....Phillips

# CABINET ASSEMBLY 2

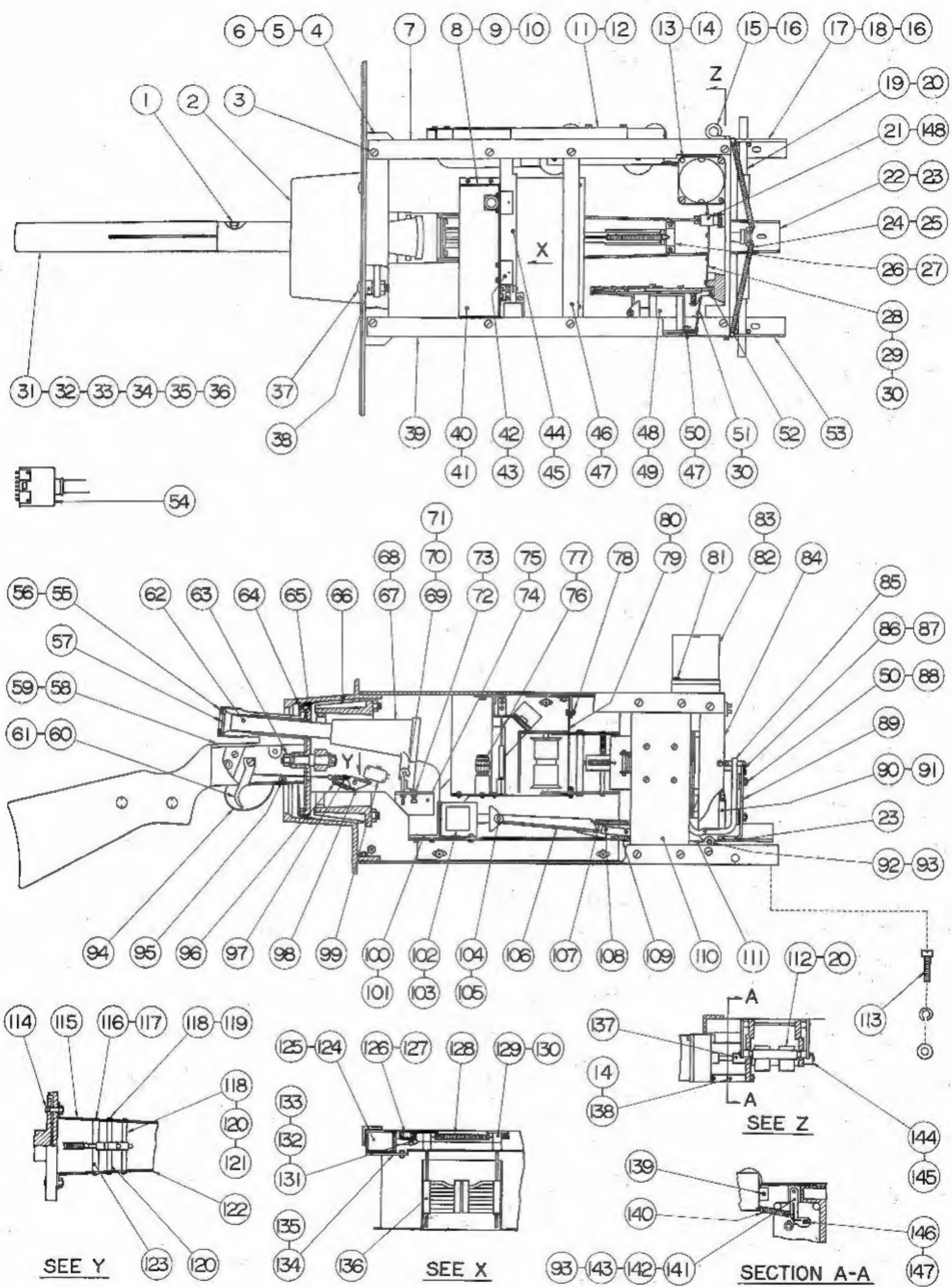
## PAPER ROLLER ASSEMBLY

# RIFLEMAN

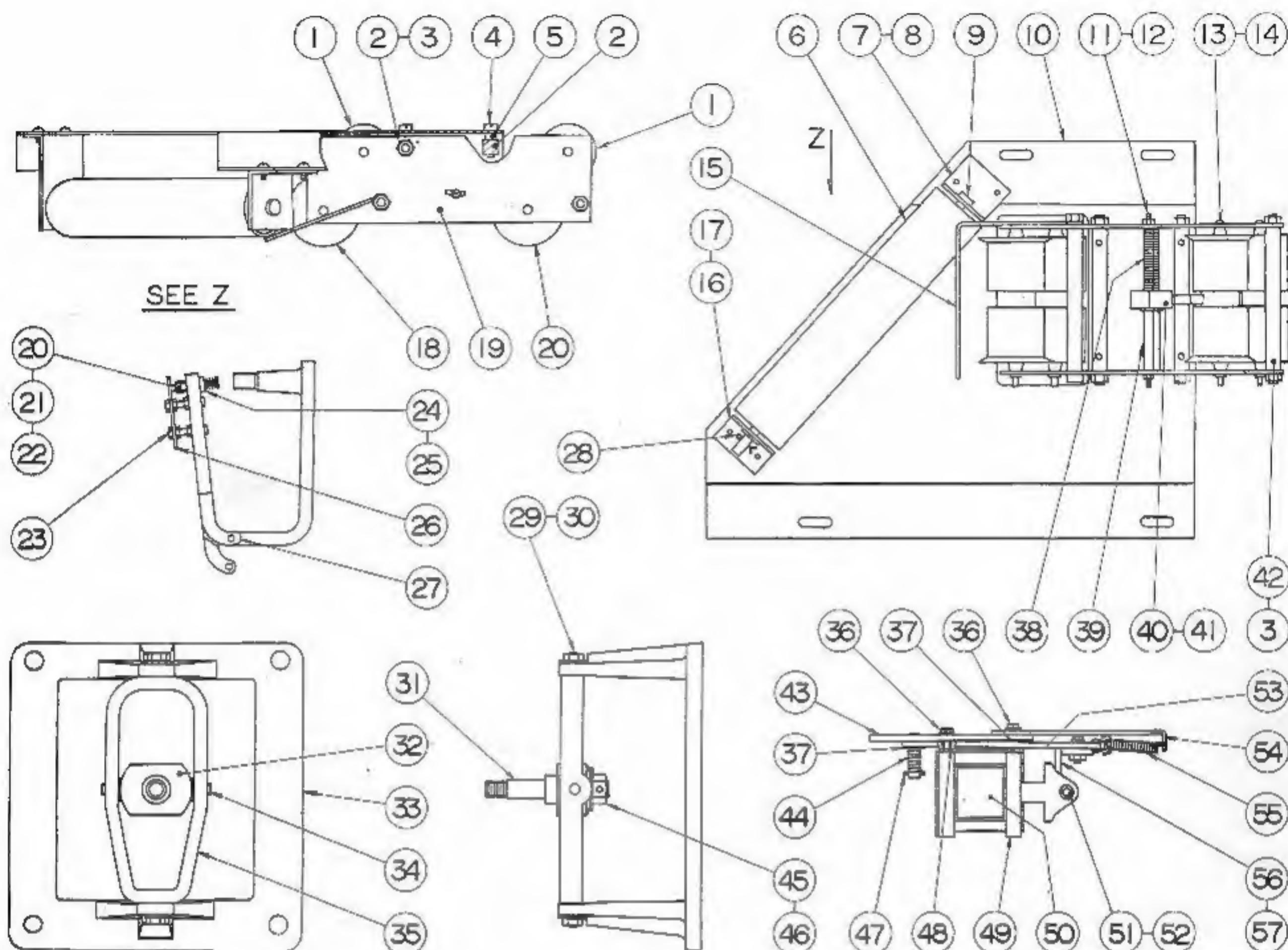


Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
1	RM-1001-H	Speaker Cover	144-124	Flat Washer, Special	6.5-19×1.2	47	133-033	Hex. Nut M5
2	122-080	Wood Screw, R. H. Phill.	144-132	Spring Washer M8 (#2)		48	RM-1045	Limit Bracket
	3.1×16		24	AF-2507	Reject Cup	49	RM-1046	Limit Chain
3	RM-1033	Light Box Assembly	25	AF-2508	Retainer Plate	49	122-024	Wood Screw, R. H. Phill.
4	S-90710-1	Socket, Miniature Screw	26	111-197	M. Screw, C. H. M3×14	133-017	3.8×16	3.8×16
	Table Type		122-064	Wood Screw, R. H. Phill.	144-078	Hex. Nut M4		
5	S-91345	Bulb, Miniature Screw Type	3.1×13		144-078	Flat Washer M4		
	Transparent 110V, 5W		27	SD-1044	Locking Tongue	144-167	144-167	Lock Washer, Ext. M4
6	122-004	Wood Screw, R. H. Phill.	28	1AB-10474-1	Ace Cylinder Lock	111-203	M. Screw, C. H. M4×10	
	3.5×16		29	SGJ-1096-3	Lock Retainer Plate	50	RM-1031	Main Switch Bracket
7	S-91359	Speaker, 19 cm×12 cm, 8Ω	30	122-042	Wood Screw, R. H. Phill.	51	S-90834	Switch, Push Button Type
8	S-91360	Speaker, 8.4 cm, 8Ω	3.1×10		52	122-064	Wood Screw, R. H. Phill.	
9	122-004	Wood Screw, R. H. Phill.	144-052	Flat Washer, Special	53	RM-1001-M	Paper Holder Adjust Plate	
	3.5×16		19.5-27×1.6		54	111-550	M. Screw, F. H. M5×20	
10	144-078	Flat Washer M4	31	RM-0001	Ticket	133-033	Hex. Nut M5	
11	S-90473	Lamp Socket, Standard Screw	32	RM-1002	Cash Box	144-105	Flat Washer M5	
	Base Single, Table Type		33	RM-1001-B	Front Door	144-149	Lock Washer, Ext. M5	
12	111-201	Bulb, 100V 20W	34	RM-1001-D	Hinge, Long	55	RM-1001-N	Hinge
13	S-90151		35	122-042	Wood Screw, R. H. Phill.	56	122-074	Wood Screw, R. H. Phill.
14	122-024	Wood Screw, R. H. Phill.	3.1×10		4.1×13			
15	133-0260	Socket, Fluorescent Light,	122-076	Wood Screw, F. H. Phill.	57	RM-1020	Paper Roller Bracket, B	
	Spring Type		3.1×10		58	RM-1021	Roller, A	
16	S-90200	Fluorescent Light, 10W	36	RM-1015	Paper Roll Casting A	59	RM-1024	Shaft
17	111-201	M. Screw, C. H. M4×6	37	RM-1016	Paper Roll Casting B	60	133-080	Push Nut 3m/m
18	133-045	Square Nut M4-8.5×2	38	RM-1017	Spacer Post	61	RM-1022	Roller, B
19	144-078	Flat Washer M4	39	133-033	Hex. Nut M5	62	RM-1025	Spacer Tube
20	RM-1001-C	Back Door	40	144-090	Spring Washer M5 (#2)	63	S-91342	Switch, Micro Type
21	RM-1001-T	Back Door Hinge	133-048	Wing Nut M5	64	S-91063	Actuator, Micro Switch	
22	122-004	Wood Screw, R. H. Phill.	41	90998	Cable And Plug Assembly	65	111-300	M. Screw, C. H. M3×40
	3.5×16		42	RM-1028	Glass Holder Bar	133-029	Hex. Nut M3	
23	122-065	Wood Screw, F. H. Phill.	111-309	M. Screw, C. H. M5×18	144-057	Flat Washer M3		
	3.5×16		133-033	Hex. Nut M5	144-088	Spring Washer M3 (#2)		
24	CC-2001	Coin Chute, Rejector Type,	43	RM-1029	Lock Bar Guide Bracket	66	RM-1023	Spacer Post
	10 Yen×1		44	122-024	Wood Screw, R. H. Phill.	67	133-033	Hex. Nut M5
25	RM-1012	Mechanism Mounting Bar	133-048	3.8×16	144-090	Spring Washer M5 (#2)		
26	RM-0002	Mechanism Mounting Screw	45	RM-1032	Holder Plate	68	RM-1019	Paper Roller Bracket, A
27	RM-1001-Q	Washer Plate	46	111-288	Carriage Bolt, Chromed	69	RM-1001-K	Paper Holder Plate
28	111-399	Carriage Bolt M8×70	111-548	M5×32	70	RM-1001-L	Shaft	
29	133-004	Hex. Nut M8	122-065	Carriage Bolt, M5×20	133-004	Hex. Nut M8		
30	133-054	T-Nut M6		Wood Screw, F. H. Phill.	144-054	Flat Washer M8		
31	133-082	Wing Nut, w/Single Hole M5	3.5×16		144-132	Spring Washer M8 (#2)		
32	144-054	Flat Washer M8						

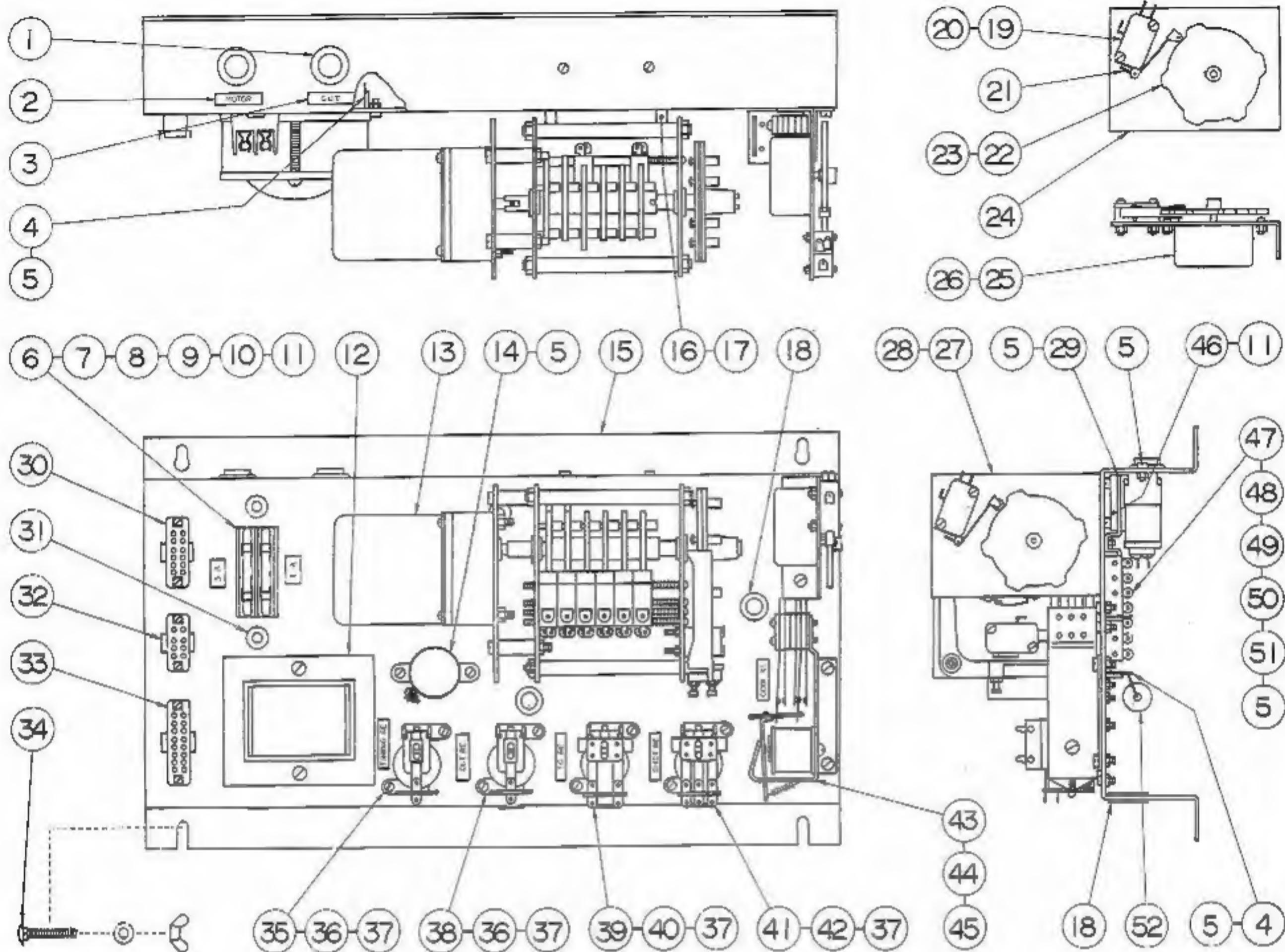
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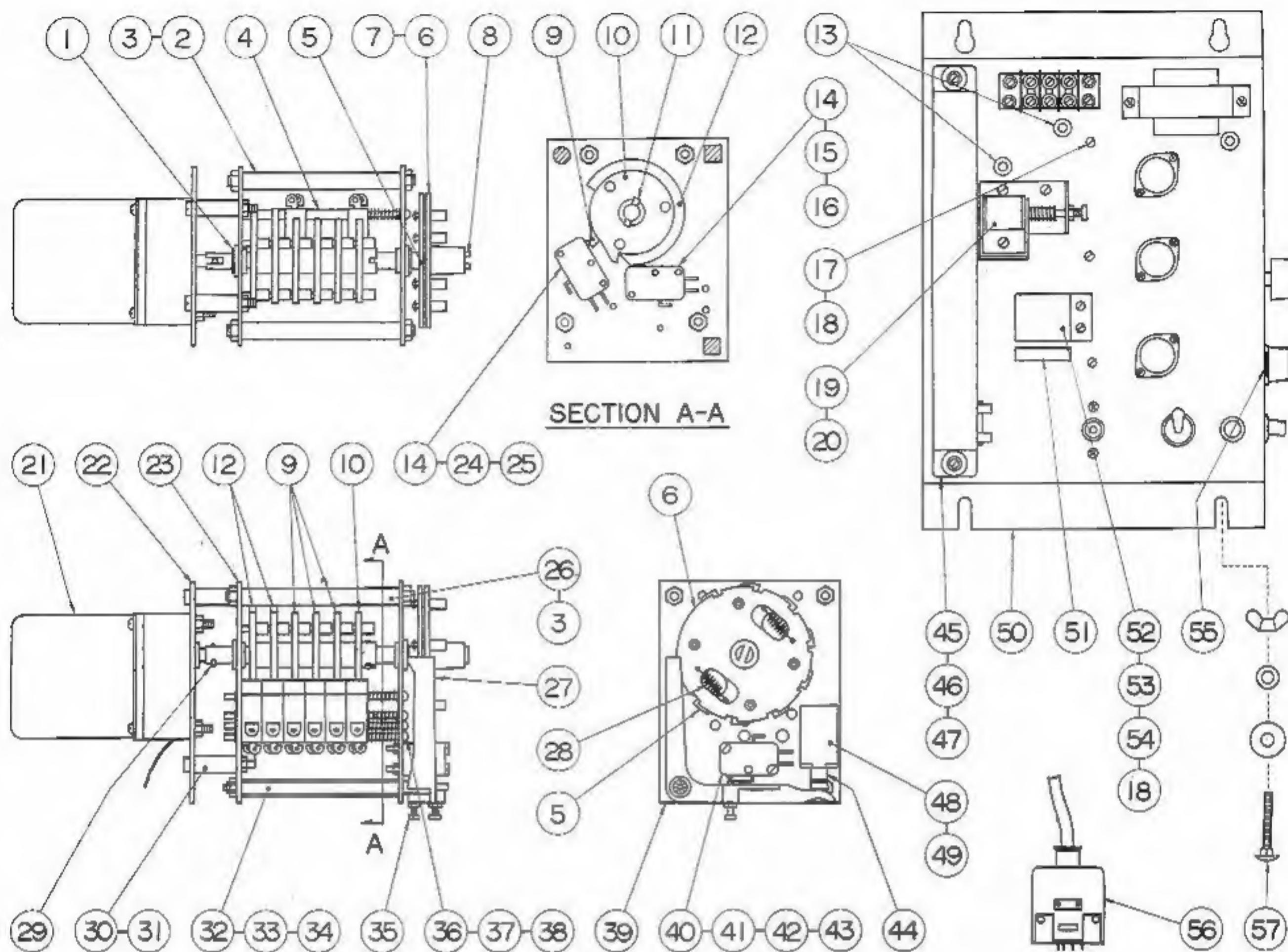
Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
1	111-557	Set Screw, Hex. Socket H. M6×22	48	RM-2098	Cutter Assembly	102	S-91067	Solenoid, 100V, 1.5 Kg
2	RM-2001	Front Casting	49	111-204	M. Screw, C.H. M4×12	103	111-201	M. Screw, C. H. M4×6
3	111-555	M. Screw, F. H. M5×16	50	RM-2107	Lock Washer, Ext. M4	111-203	111-203	M. Screw, C. H. M4×10
	133-033	Hex. Nut M5	51	RM-2005	Rubber Washer	133-017	133-017	Hex. Nut M4
	144-090	Spring Washer M5 (#2)	52	RM-2109	Paper Guide Cover	144-076	144-076	Spring Washer M4 (#2)
4	RM-2010	Guide Block	53	RM-2009	Rubber Cushion	144-078	144-078	Flat Washer M4
5	RM-2011	Shim Plate	54	S-90934-2	Beam Angle, Lower Left	104	RM-2048	Plunger Pin
6	111-309	M. Screw, C.H. M5×18	55	RM-2023	Plug 16P	105	144-078	Flat Washer M4
	133-033	Hex. Nut M5	56	111-556	Finder Cap	155-014	155-014	Cotter Pin 1.6×12
7	RM-2006	Beam Angle, Upper Right	57	RM-2024	M. Screw, O. H. Phill.	106	RM-2049	Plunger Link
8	RM-2083	Front Screen Bracket	58	RM-2020	Chromed M2×5	107	3B3-3809	Payout Slide Spring
9	RM-2084	Front Screen	59	RM-2021	Finder Disc	108	144-093	Flat Washer M2.6
10	166-180	Rivet, R. H. Brass 1.4×3	60	RM-2025	Gun Mount Casting, Right	155-077	155-077	Cotter Pin 2.5×25
11	RM-2058	Guide Roller Assembly	61	RM-2026	Gun Mount Casting, Left	109	RM-2051	Extension Spring
12	111-407	M. Screw, F.H. M5×14	62	80452	Trigger And Wire Assembly	110	RM-2097	Cutter Mounting Plate
	133-033	Hex. Nut M5	63	133-004	Shoulder Screw	111	RM-2050	Shot Arm Link
	144-090	Spring Washer M5 (#2)	64	RM-2022	Telescopic Sight	112	RM-2076	Feeder Wheel
	144-105	Flat Washer M5	65	RM-2019	Hex. Nut M8	113	111-497	M. Screw, C. H. M6×35
13	RM-2075	Shoulder Stud, Long	66	RM-2012	Spring Washer M8 (#2)	144-053	144-053	Flat Washer M6
14	133-033	Hex. Nut M5	67	RM-2110	Rubber Dirt Guard	144-115	144-115	Spring Washer M6 (#2)
15	S-90410	Clamp, Cord, Plastic, 10m/m I.D.	68	133-033	Gun Mounting Flange	114	111-372	Carriage Bolt M6×28
16	111-201	M. Screw, C. H. M4×6	69	111-558	Universal Joint Assembly	133-003	133-003	Hex. Nut M6
17	RM-2007	Beam Angle, Lower Right	70	RM-2044	Sight And Stylus Assembly	144-115	144-115	Spring Washer M6 (#2)
18	S-90591	Clamp, Cord, Plastic, 5 m/m I.D.	71	133-017	Hex. Nut M5	115	RM-2034	Stay, Right
	19	RM-2072	72	144-167	Set Screw, G. H. Special M5×25	116	RM-2038	Actuator Shaft
	20	155-032	73	144-167	Eye Bolt	117	144-078	Flat Washer M4
	21	S-90445-1	74	111-272	Hold Pin	155-014	155-014	Cotter Pin 1.6×12
	22	Socket, 3P	75	133-017	Hex. Nut M4	118	RM-2040	Micro Switch Adjuster Shaft
	23	RM-2035	76	144-167	Lock Washer, Ext. M4	119	133-029	Hex. Nut M3
	24	Shot Mechanism Bracket	77	111-201	Telescope Level Adjuster	144-135	144-135	Lock Washer, Ext. M3
	25	111-554	78	144-167	M. Screw, C. H. M4×16	144-057	144-057	Flat Washer M3
	26	M. Screw, F.H. M5×6	79	111-191	Hex. Nut M4	120	RM-2041	Spacer, Micro Switch
	27	RM-2056	79	133-029	Telescope Base	121	133-029	Hex. Nut M3
	28	Tension Limit Chain	80	111-191	M. Screw, C. H. M4×6	144-135	144-135	Lock Washer, Ext. M3
	29	111-277	80	144-167	Lock Washer, Ext. M4	122	RM-2033	Stay, Left
	30	133-017	81	111-191	Model Barrel	123	RM-2039	Spacer, Actuator
	31	Hex. Nut M4	81	111-195	M. Screw, C. H. M3×6	124	S-91352	Solenoid, DC. 24V
	32	144-167	82	111-195	M. Screw, C. H. M3×8	125	111-559	M. Screw, F. H. Brass M3×4
	33	Bumper Assembly	83	133-029	Hex. Nut M3	126	RM-2089	Stroke Adjuster
	34	111-203	83	144-057	Flat Washer M3	127	111-195	M. Screw, C. H. M3×6
	35	M. Screw, C. H. M4×10	84	111-191	Back Screen	144-135	144-135	Lock Washer, Ext. M3
	36	133-017	84	133-029	M. Screw, C. H. M3×12	144-057	144-057	Flat Washer M3
	37	Hex. Nut M4	85	144-057	Hex. Nut M3	128	90066	Extension Spring, Reset Hold
	38	144-167	85	111-202	Flat Washer M3	129	RM-2087	Door Operator
	39	Lock Washer, Ext. M4	86	111-550	M. Screw, C. H. M4×35	130	111-195	M. Screw, C. H. M3×6
	40	Rubber Grommet	87	133-033	Spring Washer M4 (#2)	155-014	155-014	Cotter Pin 1.6×12
	41	Beam Angle, Upper Left	88	144-105	Flat Washer M4	131	RM-2090	Rope Tie
	42	Screen Stand Plate	89	144-105	Roll Pin 2.5×1.4	132	RM-2091	Plunger Guide
	43	111-195	90	RM-2054	Rear Frame Casting	133	244-051	Nylon Rope, 1φ White
	44	M. Screw, C. H. M3×6	91	RM-2046	Shot Arm Assembly	134	RM-2092	Solenoid Base
	45	133-029	91	111-550	Chain Connect Hook	135	111-203	M. Screw, C. H. M4×10
	46	Hex. Nut M3	92	133-033	M. Screw, C. H. M4×8	133-017	133-017	Hex. Nut M4
	47	Door Shaft Retainer Bracket	93	144-105	M. Screw, F. H. M5×20	144-167	144-167	Lock Washer, Ext. M4
	48	111-192	93	RM-2054	Hex. Nut M5	144-078	144-078	Flat Washer M4
	49	M. Screw, C. H. M3×8	94	RM-2046	Support Bracket	136	RM-2088	Door Model
	50	133-029	94	111-550	Rear Casting Sash	137	RM-2074	Feeder Shaft
	51	Hex. Nut M3	95	144-092	Rear Casting Sash, Side	138	RM-2122	Shoulder Stud, Short
	52	144-135	95	144-092	Joint Pin	139	111-195	M. Screw, C. H. M3×6
	53	Lock Washer, Ext. M3	96	144-092	E. Washer 2.3 m/m	144-135	144-135	Lock Washer, Ext. M3
	54	Door And Coil Mounting	97	144-092	Trigger Case	140	RM-2081	Extension Spring
	55	Bracket	98	111-191	M. Screw, C.H. M3×12	141	RM-2078	Roller Arm, Lower
	56	111-407	98	5B-7649	Extension Spring, 20 Payout	142	RM-2079	Roller Arm, Upper
	57	M. Screw, F. H. M5×14	99	RM-2037	Length Adjuster Spring	143	RM-2073	Roller Arm Shaft
	58	133-033	99	RM-2036	Actuator	144	RM-2077	Cam
	59	Hex. Nut M5	100	S-91342	Switch, Micro Type	145	111-312	Set Screw, C. H., Special M3×6.5
	60	144-090	100	RM-2047	Solenoid Mounting Bracket	146	RM-2080	Guide Roller
	61	Spring Washer M5 (#2)	101	111-308	M. Screw, C. H. M5×8	147	144-102	E. Washer 4 m/m
	62	Back Screen Hanger	101	144-090	Spring Washer M5 (#2)	148	S-90445-2	Plug, 3P
	63	111-407						
	64	133-033						
	65	Hex. Nut M5						
	66	144-105						



Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
1	RM-1022	Paper Roller, B	20	RM-2120	Shot Pin	39	RM-2063	Spacer, Micro Switch
2	RM-2061	Spacer Post, w/Tap	21	RM-2121	Pin Holder	40	RM-2065	Switch Actuator
3	133-033	Hex. Nut M5	22	144-208	Flat Washer M1.7	41	S-91343	Switch, Micro Type
	144-149	Lock Washer, Ext. M5	23	111-200	M. Screw, C. H. M3×20	42	RM-1023	Spacer Post
4	111-272	M. Screw, C. H. M4×16	24	133-029	Hex. Nut M3	43	RM-2099	Cutter Base Assembly
	144-167	Lock Washer, Ext. M4	25	RM-2118	Cone Spring Assembly	44	RM-2105	Compression Spring
	144-078	Flat Washer M4	26	133-081	Hex. Nut M3.5 P-0.35	45	RM-2017	Hex. Stopper
5	RM-2071	Spacer	27	144-207	Wave Washer M5	46	155-075	Roll Pin 4×14
6	RM-2068	Guide Roller	28	RM-2119	Pin End Retainer	47	144-026	Flat Washer, Special
7	RM-2066	Roller Bracket, Upper	29	RM-2117	Shot Arm Assembly, w/o Pin	48	13.5-22.2×0.5	13.5-22.2×0.5
8	111-195	M. Screw, C. H. M3×6	30	144-105	Flat Washer M5	49	144-099	Flat Washer, Small Type M6
	144-135	Lock Washer, Ext. M3	31	155-014	Cotter Pin 1.6×12	50	155-014	Cotter Pin 1.6×12
9	RM-2069	Guide Roller Shaft	32	RM-2018	Pivot Screw	48	RM-2104	Spacer
10	RM-2059	Roller Cover Bracket	33	133-036	Hex. Nut M5 (#3)	49	RM-2103	Spacer Post
11	RM-2062	Micro Switch Shaft, Guide	34	RM-2016	Pivot Shaft	50	S-91067	Solenoid, 100V, 1.5 Kg
	Roller		35	RM-2015	Universal Joint Mounting, Inner	51	RM-2048	Plunger Pin
12	133-002	Hex. Nut M2.6	36	RM-2013	Universal Joint Mounting, Frame	52	144-095	Flat Washer, Small Type M4
	144-093	Flat Washer M2.6	37	144-105	Flat Washer M5	53	155-014	Cotter Pin 1.6×12
13	RM-1024	Shaft	38	155-063	Straight Pin 5×20 (M6)	54	RM-2100	Cutter Blade
14	133-080	Push Nut 3m/m	39	RM-2014	Universal Joint Journal, Outer	55	RM-2102	Spring Bracket
15	RM-2070	Paper Guide Wire	40	111-205	M. Screw, C. H. M4×20	56	RM-2106	Extension Spring
16	RM-2067	Roller Bracket, Lower	41	144-167	Lock Washer, Ext. M4	57	RM-2101	Plunger Bracket
17	111-195	M. Screw, C. H. M3×6	42	144-179	Flat Washer, Special 6.1-11×0.6	58	111-204	M. Screw, C. H. M4×12
	144-135	Lock Washer, Ext. M3	43	RM-2064	Compression Spring	59	144-167	Lock Washer, Ext. M4
	144-057	Flat Washer M3				60	133-039	Hex. Nut M4 (#3)
18	RM-1021	Paper Roller, A						
19	RM-2060	Main Plate						

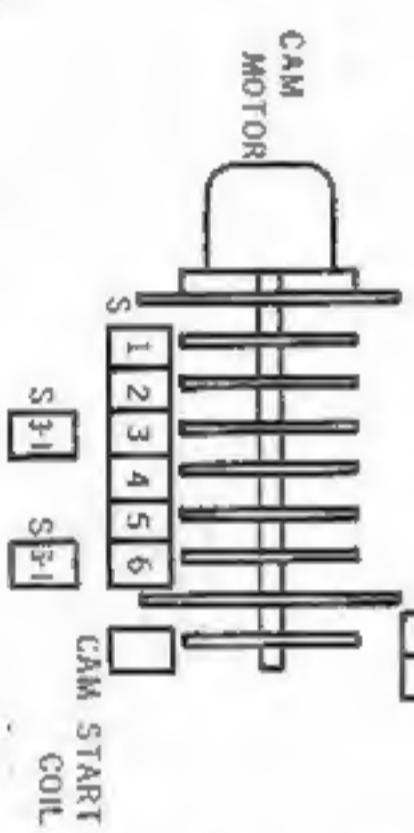
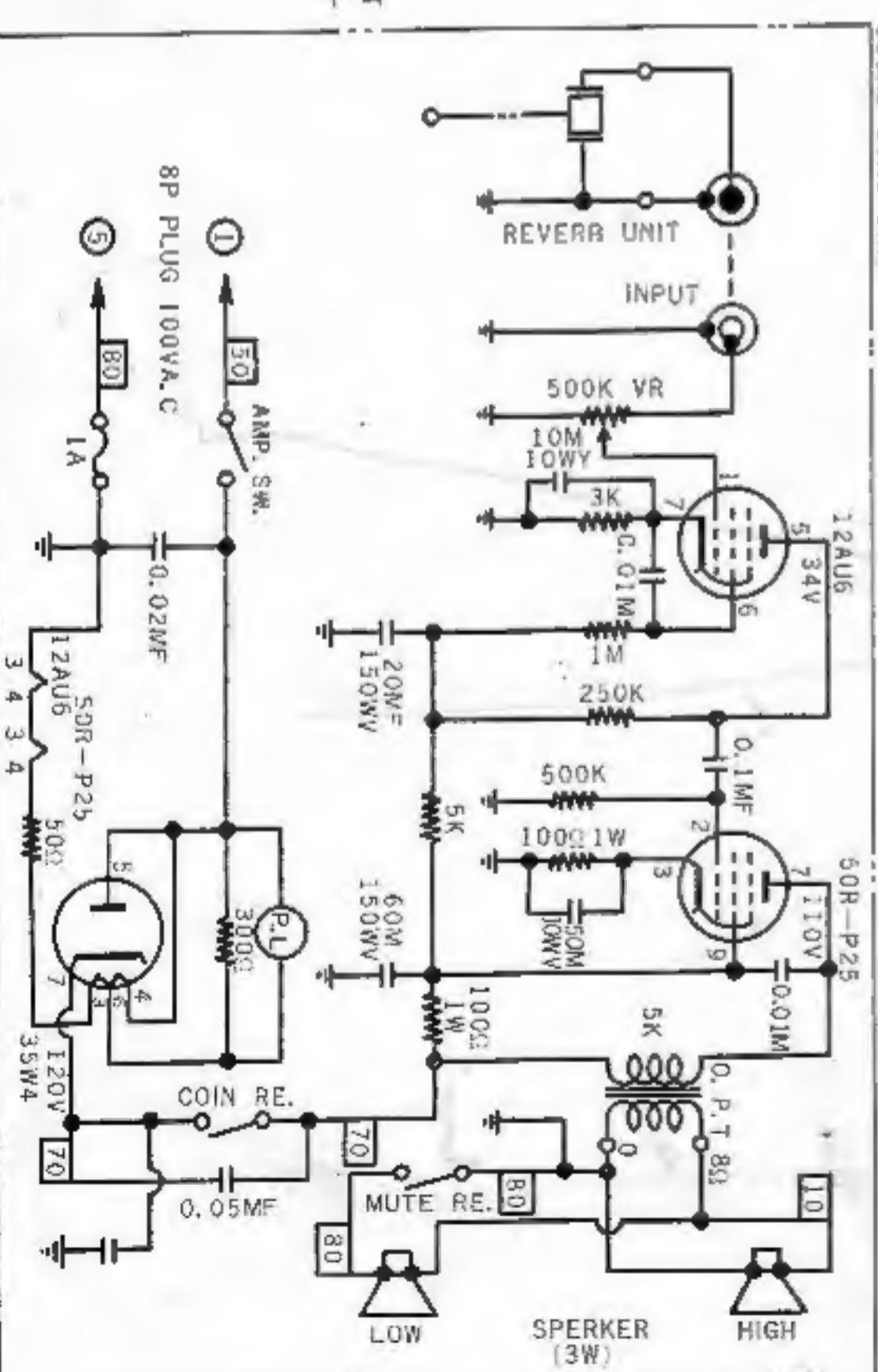
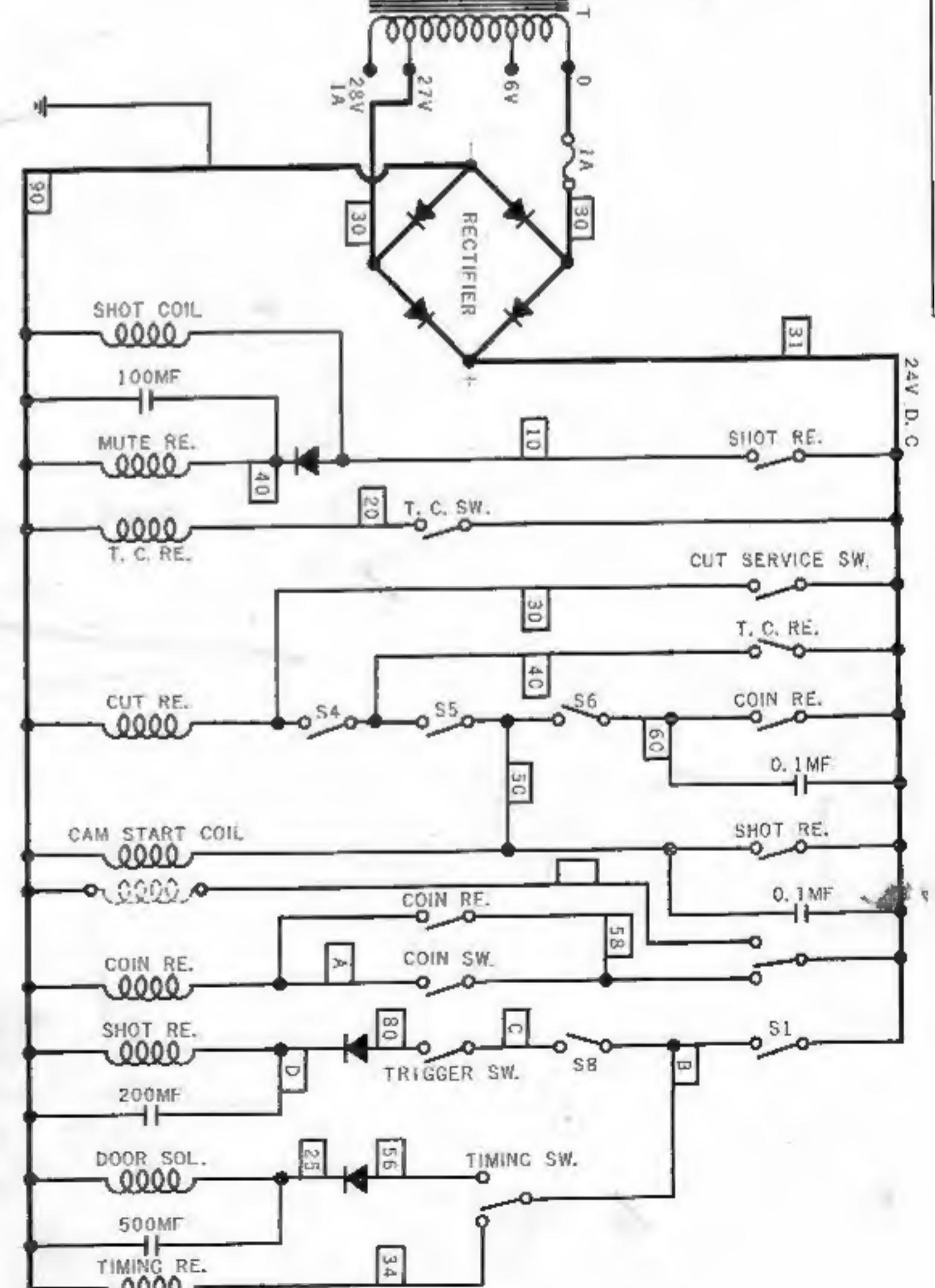
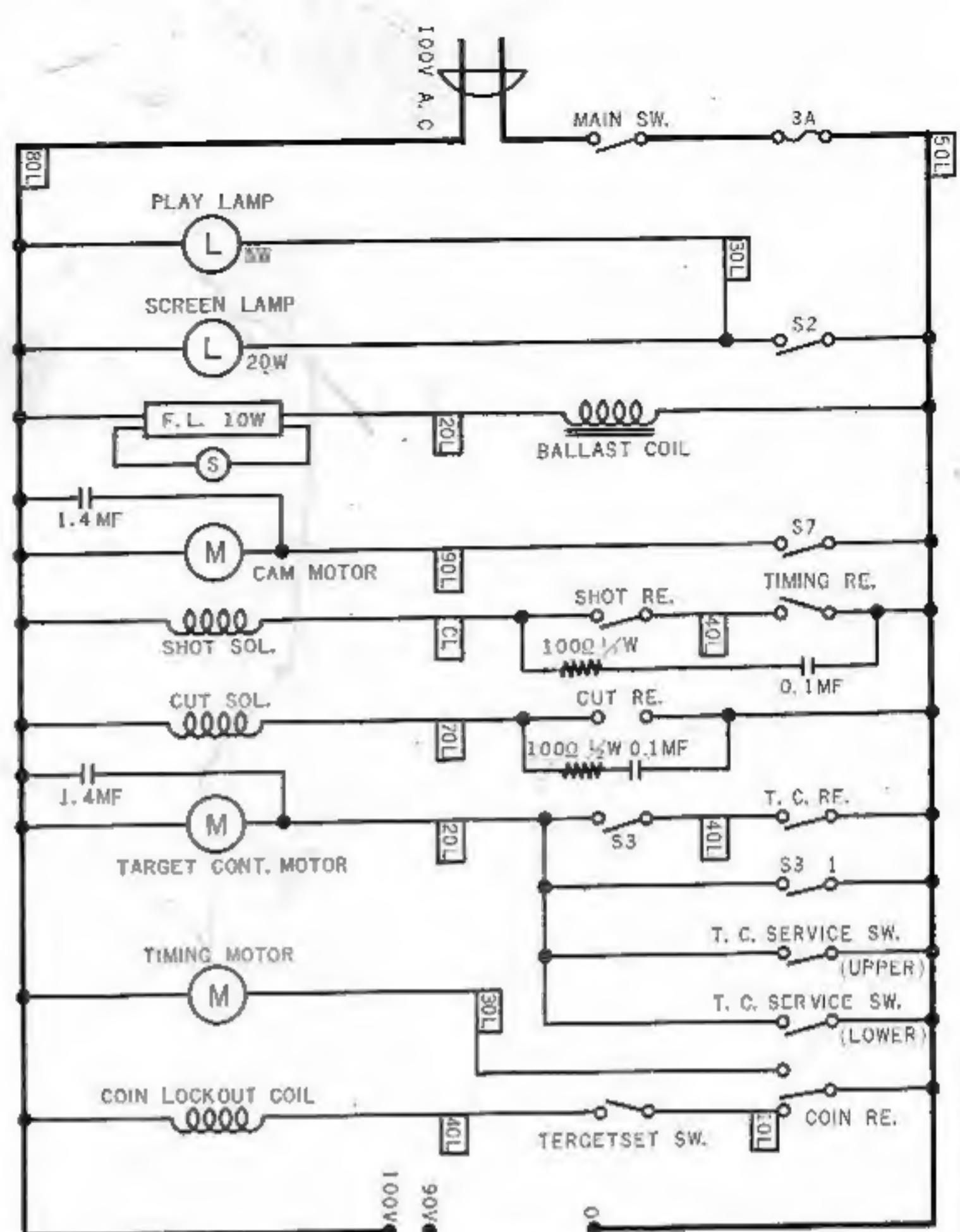


Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
1	S-91206	Switch, Push Button, Baby Type	19	S-91343	Switch, Micro Type	133-082		Wing Nut, w/Single Hole M5
2	80435	Sticker, Motor	20	111-199	M. Screw, C.H. M3×18	144-013		Flat Washer, Special
3	80434	Sticker, Cut	133-029		Hex. Nut M3	5-6-12.7×1.2		
4	S-90863	Terminal Plate, 1L 5P	144-057		Flat Washer M3	35	80473	Sticker, Timing Relay
5	111-192	M. Screw, C.H. M3×8	144-135		Lock Washer, Ext. M3	36	S-91340	Cut Relay
133-029		Hex. Nut M3	21	S-91354	Actuator, Micro Switch	37	111-192	M. Screw, C. H. M3×8
144-135		Lock Washer, Ext. M3	22	RM-3026	Cam Timing Motor 7 Shot	133-029		Hex. Nut M3
6	80423	Sticker, 1 Ampere	23	111-174	Set Screw, Hex. Socket, Cup Point M3×4	144-057		Flat Washer M3
7	80425	Sticker, 3 Ampere	24	RM-3022	Timing Motor Bracket	144-135		Lock Washer, Ext. M3
8	S-90711	Fuse, 3 Ampere, Japanese Size 6.4φ×30	25	S-91353	Timing Motor, 100V, 50 Cycle, 4 RPM, C. W.	38	80451	Sticker, Cut Relay
9	S-91288	Fuse Holder, 2P High Grade	26	111-192	M. Screw. C.H. M3×8	39	80450	Sticker, T. C. Relay
10	S-90645	Fuse, 1 Ampere, Japanese Size 6.4φ×30	133-029		Hex. Nut M3	40	S-91339	Target Control Relay
11	111-198	M. Screw, C. H. M3×16	144-057		Flat Washer M3	41	80449	Sticker, Shot Relay
133-029		Hex. Nut M3	144-135		Lock Washer, Ext. M3	42	S-91338	Shot Relay
144-135		Lock Washer, Ext. M3	27	RM-3021	Timing Motor Assembly	43	RM-3020	Coin Relay Assembly
12	91337	Power Transformer, 90~100-6, 27, 28V, 1A	28	111-192	M. Screw, C. H. M3×8	44	80448	Sticker, Coin Relay
13	RM-3002	Cam Unit Assembly	133-017		Hex. Nut M4	45	111-203	M. Screw, C. H. M4×10
14	S-90490	Condenser, 500 MF, 50W.V. Electrolytic Can (25.4φ×60ℓ)	144-167		Lock Washer, Ext. M4	133-017		Hex. Nut M4
15	RM-3001	Cam Motor Unit Base	29	LB-8012	Mounting Bracket, Silicon Diode	144-167		Lock Washer, Ext. M4
16	RM-3019	Spacer Tube	30	S-91015-1	Socket, 12P	46	S-90862	Rectifier, Silicon Diode
17	111-272	M. Screw, C. H. M4×16	31	S-91020	Rubber Grommet 5φ×8φ×4.5	47	S-91016	Terminal Plate, 1L 7P
144-078		Flat Washer M4	32	S-90935-1	Socket, 8P	48	S-91314	Rectifier, Silicon Diode
144-167		Lock Washer, Ext. M4	33	S-90934-1	Socket, 16P	49	S-91364	Condenser, 0.1 MFD.
18	S-90872	Rubber Grommet 9φ×15φ	34	111-350	Carriage Bolt, Chromed M5×25	50	S-93163	400 W.V. Oil Tubular Condenser, 0.05 MFD.
						51	S-90286	400 W.V. Oil Tubular Resistor, 100Ω 1/2W
						52	S-90440	Condenser, 200 MF, 50 W.V. Tubular



Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
1	144-051	E. Washer 6 m/m	22	RM-3005	Cam Motor Base	42	80447	Sticker, Number, 6-1
2	RM-2061	Spacer Post, w/Tap	23	RM-3004	Cam Unit Base, B	43	111-279	M. Screw, C. H. M3×28
3	133-033	Hex. Nut M5	24	RM-3018	Shim Plate	44	133-040	Hex. Nut M3 (#3)
4	144-090	Spring Washer M5 (#2)	25	80437	Sticker, Number, 1	45	144-088	Spring Washer M3 (#2)
5	RM-1025	Spacer Tube	26	80438	Sticker, Number, 2	46	91322	Plunger Assembly
6	RM-3025	7 Shot, Count Disc Stopper	27	80439	Sticker, Number, 3	47	91347	Reverb Unit Assembly
7	RM-3024	7 Shot, Count Disc	28	80440	Sticker, Number, 4	48	RM-4003	Spacer
8	166-179	Rivet, Round Head, Aluminum 2.6×12	29	80441	Sticker, Number, 5	49	111-199	M. Screw, C. H. M3×18
9	RM-3007	Main Shaft	30	80442	Sticker, Number, 6	50	133-029	Hex. Nut M3
10	RM-3013	Cam, #4, 5	31	RM-1023	Spacer Post	51	144-020	Flat Washer, Special 3.6-9.5×0.8
11	RM-3014	Cam, #6	32	RM-3015	Shot, Count Arm	52	144-088	Spring Washer, M3 (#2)
12	155-062	Roll Pin 3×14	33	RM-3010	Extension Spring	53	91321	Cam Start Coil
13	RM-3027	7 Shot, Cam; #1, 2	34	155-066	Roll Pin 2.5×14	54	111-194	M. Screw, C. H. M3×5
14	S-91020	Rubber Grommet, 5φ×8φ×45	35	RM-1026	Spacer Tube	55	S-91349	Amplifier "RM" 100V 3W
15	S-91342	Switch, Micro Type	36	111-207	M. Screw, C. H. M4×30	56	80474	Sticker, Mute Relay
16	80443	Sticker, Number, 7	37	133-017	Hex. Nut M4	57	S-91346	Relay, Miniature Type 2T
17	80444	Sticker, Number, 8	38	144-076	Spring Washer M4 (#2)	58	S-91314	Rectifier, Silicon Diode
18	S-90860	Terminal Plate, 1L, 4P	39	144-167	Lock Washer, Ext. M4	59	S-90439	Condenser, 100 MF, 50W.V.
19	111-192	M. Screw, C. H. M3×8	40	RM-3016	Shaft	60	80423	Tubular
20	133-029	Hex. Nut M3	41	RM-3006	Spacer Tube	61	S-90935-2	Sticker, 1 Ampere
21	144-088	Spring Washer M3 (#2)	42	133-040	Hex. Nut M3 (#3)	62	111-288	Plug, 8P
22	RM-4001	Coil Assembly	43	133-080	Push Nut 3 m/m	63	90008	Carriage Bolt, Chromed M5×32
23	111-192	M. Screw, C. H. M3×8	44	111-198	M. Screw, C. H. M3×16	64	144-013	Rubber Bushing
24	133-029	Hex. Nut M3	45	133-040	Hex. Nut M3 (#3)	65	133-082	Flat Washer, Special 5.6-12.7×1.2
25	144-057	Flat Washer M3	46	RM-1024	Shaft	66	Wing Nut, w/Single Hole M5	
26	144-088	Spring Washer M3 (#2)	47	RM-3017	Compression Spring			
27	91334	Motor, 100V, 1/50, 50/60 Cycle w/Condenser	48	133-080	Push Nut 3m/m			
28			49	RM-3003	Cam Unit Base, A			
29			50	S-91344	Switch, Micro Type			
30			51	80446	Sticker, Number, 3-1			
31			52					
32			53					
33			54					
34			55					
35			56					
36			57					

# WIRING DIAGRAM

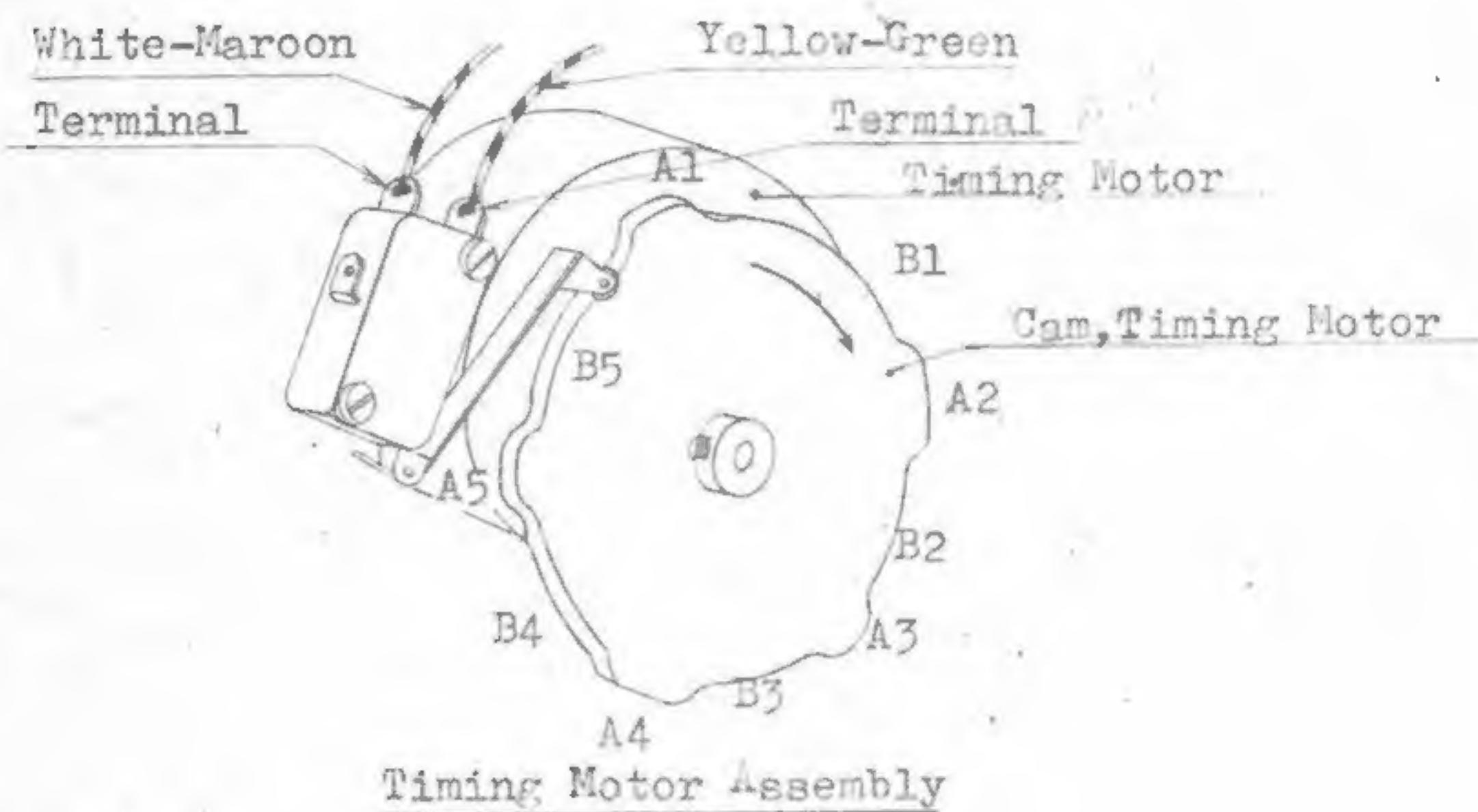


T.C.:TARGET CONTROL  
S1~S8:MICRO SWITCH  
S3~1, S6~1:MICRO SWITCH

INST.  
NO.110

RIFLEMAN  
CONVERSION INSTRUCTIONS  
TO INCREASE DOOR OPENING TIME

To increase door open time reverse micro switch leads.



Cam	Operating Time (second)	50 ~	60 ~
A1	0.75	0.62	
A2	1.04	0.87	
A3	0.63	0.52	
A4	0.84	0.69	
A5	0.58	0.48	
B1	3.33	2.78	
B2	2.08	1.75	
B3	1.67	1.39	
B4	1.58	1.32	
B5	2.5	2.08	